

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT CODE: 104-8
PRODUCT NAME: Schultz® Insect Killer Whitefly –Mealybug
PRODUCT DESCRIPTION: Aerosol containing pressurized liquid insecticide for residential use only
CHEMICAL NAME: Mixture

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT(s)	CAS #	EINECS	EXPOSURE LIMITS	% BY WT.
Tetramethrin[(1-Cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl -3-(2-methylpropenyl) cyclopropanecarboxylate]	007696-12-0	231-711-6	15 mg/m ³ (OSHA/PEL)	.20
Permethrin[* (3-Phenoxyphenyl) methyl (+) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethyl(cyclopropanecarboxylate)]	052645-53-1	258-067-9		20
Paraffinic, Naphthenic solvent	064742-47-8	265-149-8	100ppm (525 mg/m ³)TWA	1-10
Liquefied Petroleum Gas	068476-85-7	Unknown	1000 ppm (1800 mg / m ³) TWA (OSHA, NIOSH, ACGIH)	5-40

PEL = Permissible Exposure Limits
TLV = Threshold Limit Value

TWA = Time Weighted Average (8 hr)
STEL = Short Term Exposure Limit (15 min)

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS: EMERGENCY OVERVIEW

HUMAN: CAUTION

EYES: CAUTION. Can cause temporary irritation, tearing and blurred vision.

SKIN: CAUTION. Can cause a burning sensation on more sensitive areas (face, eyes, mouth). Prolonged or repeated exposure can cause irritation and reddening of the skin, possibly progressing into dermatitis

INGESTION: CAUTION. Can cause stomach irritation, resulting in nausea, cramps and vomiting. Can cause nervous system disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

INHALATION: CAUTION. Excessive inhalation can cause nasal and respiratory irritation, nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.

CHRONIC EFFECTS: None known

SAFETY: Contents under pressure

Eye irritant. May be fatal if swallowed in large amounts.

Overexposure by eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision.

Overexposure by skin contact may initially include a transient (several minutes up to approximately 24 hours) persistent burning or prickling sensation which may be accompanied by visible irritation or rash

Overexposure by ingestion may initially include nonspecific discomfort, such as nausea, vomiting, headache, or weakness, temporary nervous system effects such as muscular weakness, tremors and incoordination.

Individuals with preexisting diseases of the liver, kidneys, skin or peripheral nervous system may have increased susceptibility to the toxicity of excessive exposures.

ECOLOGICAL: See sections 12 and 15

See TOXICOLOGICAL INFORMATION (section 11)

4. FIRST AID MEASURES

FIRST AID PROCEDURES:

EYES: Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.

SKIN: Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention. Wash clothing separately before reuse

INHALATION: Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and seek medical attention immediately.

INGESTION: If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

NOTE TO PHYSICIANS: None

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: >200 °F METHOD: Fisher Tag Closed Cup (On Non -Volatiles only, AEROSOL IS CLASSIFIED AS FLAMMABLE)

This product is classified as a flammable aerosol

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: not established

UPPER FLAMMABLE LIMIT: not established

AUTOIGNITION TEMPERATURE: not established

HAZARDOUS COMBUSTION PRODUCTS: Under fire conditions, this product will support combustion and may decompose to give off toxic gasses such as carbon monoxide and carbon dioxide.

EXTINGUISHING MEDIA: Foam, carbon dioxide, or dry chemical

FIRE FIGHTING INSTRUCTIONS: Treat as a oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream. Contain the run-off, if possible, for proper disposal

6. ACCIDENTAL RELEASE MEASURES:

SMALL SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.

LARGE SPILL: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent

WASTE DISPOSAL METHOD: Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

7. HANDLING AND STORAGE

HANDLING: Do Not use near an open flame or ignition source. Do not puncture or incinerate. Wear rubber gloves. Wear an OSHA-approved safety glasses, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not required when handling this product. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label.

STORAGE: Contents under pressure. Keep away from heat, sparks and open flame. Exposure to Temperatures over 130°F may cause bursting. Store containers upright and closed. Store in areas that are cool, dry and well ventilated. Keep away from heat, ignition sources, strong oxidizers and strong acids and bases. Emptied containers may retain product residues

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not established by OSHA or ACGIH (See section 2 for Individual Ingredients)

ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.

RESPIRATORY PROTECTION: NIOSH approved organic vapor respirator..

SKIN PROTECTION: Wear rubber gloves and protective clothing.

EYE PROTECTION: Wear an OSHA-approved safety glasses, goggles or face shield

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Contents of aerosol has an off white thick creamy texture
ODOR:	Petroleum distillate odor
PHYSICAL STATE:	Pressurized Liquid
VAPOR PRESSURE:	Not established
VAPOR DENSITY:	Not established
BOILING POINT:	Not established
MELTING POINT:	Not applicable
SOLUBILITY IN WATER:	Water soluble
SPECIFIC GRAVITY:	.989 (Non-Volatiles)
COLOR, (GARDENER):	1
pH:	7.1
VISCOSITY:	8280 cps. @ 24°C.
REFRACTIVE INDEX:	Not available

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
INCOMPATIBILITY:	Strong acidic, alkaline materials. Not compatible with strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not applicable.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE STUDIES:

INGESTION:

Acute Oral LD₅₀ (rat) >5.0 gm/kg

SKIN:

Acute Dermal LD₅₀ (rat) >2.0 gm/kg

Primary skin irritation (rabbit): 04

Dermal Sensitization (guinea pig) Not a dermal sensitizer

INHALATION:

Acute Inhalation LC₅₀ (rat) >3.62 mg /l

EYE:

Primary eye irritation(rabbit). Conjunctival irritation in half of test subjects which cleared in 24 hours.

SUBCHRONIC: Not Available

CHRONIC: Not Available

CARCINOGENICITY:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

SARA TITLE III:

SECTION 302: Not listed

SECTION 313: This product contains the following toxic chemicals of the subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#:	CHEMICAL NAME:	% BY WEIGHT:
007696-12-0	Tetramethrin[(1-Cyclohexene-1,2-dicarboximido) methyl 2,2-dimethyl -3-(2-methylpropenyl) cyclopropanecarboxylate]	.2
052645-53-1	Permethrin[* (3-Phenoxyphenyl) methyl (+) cis-trans-3-(2,2-dichloroethenyl) 2,2-dimethylcyclopropanecarboxylate]	2

STATE REGULATIONS:

VOLATILE ORGANIC COMPOUNDS (VOC): This Product contains no VOCs.

16. OTHER INFORMATION

The data contained herein is based on information currently available to Schultz® Company, and believed to be factual and the opinions expressed to be those of qualified experts; however, this data is not to be taken as a warranty or representation for which Schultz® Company assumes legal responsibility

Material Safety Data Sheetan

Schultz Company
13260 Corporate Exchange Drive
St. Louis, MO 63044-3720
(314) 298-2700

Revised: 2/99

12. ECOLOGICAL INFORMATION

PERSISTENCE IN THE ENVIRONMENT

BIODEGRADATION: Unknown
CHEMICAL DEGRADATION: Unknown

TOXIC EFFECTS ON ORGANISMS:: Unknown
FISH: LC₅₀ Not established
BIRD: LC₅₀ Not established
TOXICITY TO USEFUL INSECTS: Unknown

13. DISPOSAL CONSIDERATIONS

RCRA \ CERCLA HAZARDOUS WASTE:
INGREDIENT
none

RCRA ID#: CERCLA RQ-VALUE

DISPOSAL METHOD: This product should be disposed of according to local, state and federal regulations. When disposing of waste or surplus avoid contact with eyes and skin. Wear impervious gloves/clothing and chemical safety goggles. Do not wash into drains. Do not mix with other waste materials.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION(DOT) INFORMATION:

PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: ORM-D
IDENTIFICATION NUMBER(UN or NA):
PACKING GROUP:

INTERNATIONAL TRANSPORTATION REGULATIONS:

ICAO / IATA DESCRIPTION: Consumer Commodity, 9, UN 8000
IMO DESCRIPTION (IMDG CODE): Consumer Commodity, 9, UN 8000